

Once the users select to calculate the statistics, the program should create another SQL table named "students" with the following columns and rows (values) for each student in the university (The number of students should be based on the data from the previous table):

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- **ID** - a random 6 digit serial number from 100001 to 999999 (make sure to check the program does not repeat an ID number!)
- **Department**
- **Standing** (Honors, Probation or Normal)
- **GPA** - randomly assign a final grade on a scale of 0-100
 - Use the student's academic standing!
 - If the student's standing is "Honors" the final grade should be 93 or above
 - If the student's standing is "Probation" the final grade should be below 60
 - If the student's standing is "Normal" the final grade should be between 61 and 92
- For example, if in the "departments" database the "Informatics" department has 100 total students, with 0.07 honors and 0.03 probation, the "students" table should include 7 Informatics students with GPA above 93, 3 Informatics students with GPA below 60 and 90 Informatics students with GPA between 60-92.
- Add a column to the "departments" table with an average GPA (for each department).

The program should output the following:

1. Total number of students in the university
2. Total number of departments in the university
3. Total number of honors students in the university
4. Total number of academic probation students in the university
5. Average GPA for all the students in the university